Date: Mon, 19 Sep 94 04:30:14 PDT
From: Ham-Ant Mailing List and Newsgroup <ham-ant@ucsd.edu>
Errors-To: Ham-Ant-Errors@UCSD.Edu
Reply-To: Ham-Ant@UCSD.Edu
Precedence: Bulk
Subject: Ham-Ant Digest V94 #314
To: Ham-Ant

Ham-Ant Digest Mon, 19 Sep 94 Volume 94 : Issue 314

Today's Topics:

Send Replies or notes for publication to: <Ham-Ant@UCSD.Edu>
Send subscription requests to: <Ham-Ant-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Ant Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-ant".

Date: 13 Sep 1994 15:32:46 GMT
From: agate!howland.reston.ans.net!europa.eng.gtefsd.com!newsxfer.itd.umich.edu!
news.cic.net!ddsw1!redstone.interpath.net!news.sprintlink.net!tequesta.gate.net!
hopi.gate.net!optronic@ames.arpa
Subject: 2m vertical in my tree - how to?
To: ham-ant@ucsd.edu

The highest point of my lot is an oak tree. It is a good 20' higher than
my roof peak. Two reasons for considering placement in the tree are: 1)
homeowners assoc. prohibits antennas on roof, & in tree it will be
somewhat hidden. 2) it's there and higher already. Has anyone made tree

installations? I would interested in hearing about it. I would expect a slight loss being mounted against a 5-8" dia. live tree trunk compared to free air. I'm looking at something like the Cushcraft ringo ranger 2 vertical. Thanks for any comments,

Bob B.   KE4PGM   optronic@gate.net

Date: 18 Sep 94 23:22:37 GMT
From: news-mail-gateway@ucsd.edu
Subject: 9913
To: ham-ant@ucsd.edu

Jim, on the 9913: I run the 9913 to the base of the tower and tie it off there. RG-213 runs up & down the tower. However on your subject at the rotor: aa5yu just a few miles down the road runs his all the way to the antenna and puts big loop around the rotor. No problems so far. Again, waterproof it well.
--
73
==========
Robert Wood
WB5CRG
w5robert@blkbox.com   (blkbox is NOT blackbox, inc.!)
w5robert@blkbox.com@menudo.uh.edu
==========

Date: Sat, 17 Sep 1994 16:51:13
From: dog.ee.lbl.gov!agate!darkstar.UCSC.EDU!news.hal.COM!olivea!charnel.ecst.csuchico.edu!yeshua.marcam.com!zip.eecs.umich.edu!panix!ddsw1!redstone.interpath.net!news.sprintlink.@ihnp4.ucsd.edu
Subject: Alliance 73 Manual
To: ham-ant@ucsd.edu

Picked-up a model 73 rotator at aham-fest today and need the wiring diagram or manual, If you have either I would appreciate a e-mail response. More than willing to reimburse for copies and postage
73 < john>

Date: Sun, 18 Sep 1994 16:37:07 GMT
From: iglou!iglou!jockellp@uunet.uu.net
Subject: antenna "K" factor again
To: ham-ant@ucsd.edu

The original question was, how do you calculate the "K factor" for a
given diameter element used at a specific frequency .

I apologize to all who may have discussed the question and I will try to
keep my head out this time.

Thanks for any comment you have made or will make about this question,

Phil - N4GWV (the one who forgets how to use the USENET mail reader...)

Date: 13 Sep 1994 18:16:12 GMT
From: yuma!galen@purdue.edu
Subject: Bilal ISOTRON 160m antenna comments?
To: ham-ant@ucsd.edu

Anyone using a Bilal Isotron antenna (the one with the coil and plates)?
I'm interested in the 160m version, since it's not longer than my lot.
Galen, KF0YJ

Date: Tue, 13 Sep 94 07:08:47 MST
From: agate!howland.reston.ans.net!vixen.cso.uiuc.edu!newsrelay.iastate.edu!
newsxfer.itd.umich.edu!jobone!lynx.unm.edu!dns1.NMSU.Edu!usenet@ames.arpa
Subject: Coaxial into the House
To: ham-ant@ucsd.edu

On 13 Sep 1994 11:41:31 GMT,
W. E. Van Horne <wvanho@infinet.com> wrote:

>Rafael Solis (rafaels@zimmer.csufresno.edu) wrote:
>
>
>: Well, I finally bought a 2 mt. external antenna which I already installed. I
>: live in a fairly new house whose (outside) walls are covered with stucco
>: (sp?). All windows have aluminum frames. Before I start drilling the stucco
>: and/or the windows' frames I thought in asking to you'all about feeding
>: coaxial through the walls and/or windows. Please send me a line or two.
>
>I have the same situation. To make the hole and lead-in unobtrusive, I
>keep them near the ground, behind bushes. Select the place inside the
>house where you want the cable to come in and get a wood bit and a masonry
>bit for your drill, making sure they are long enough to reach all the way
>through the inside and outside walls. I use 3/8" holes. I drill one hole
>for each cable or ground lead, etc.

>
>Radio Shack sells little plastic molded bushings with 1/4" I.D. to fit into
>each end of the hole. After the coax is threaded through, calk around it
>to seal the hole. The cable on the outside should bend downward, so that
>rain water will trickle away from the port, not into it.
>
>If and when you want to remove the lead-in, it is a lot easier to make a
>nearly invisible patch in a hole in stucco than in a window frame!
>

Easier way is to place a piece of wood or plastic on the window close the
window on it with some weather strip around it then drill into the piece
you just put in the window. When you move throw away the insert and close
the window. Good Luck

William Osborne   505-646-3919
Professor ECE Dept.   PO BOX 30001, Dept. 3-O
New Mexico State University   Las Cruces, NM 88003-0001

Date: Sun, 18 Sep 1994 16:47:51 GMT
From: iglou!iglou!jockellp@uunet.uu.net
Subject: Discone on 2 meters
To: ham-ant@ucsd.edu

Just thought I would echo the probable ton of replies. A discone antenna
functions as a 1/4 wavelength antenna over iits operating range. No
surprise that it functions much better than a rubber duck, huh.

If it were me, I would not go to the extra expense and trouble of buying
and installing a 1/4 wave ground plane to replace the discone. It
already is one, plus a whole lot more. Of course, if you want to use the
discone for something else, like a scanner, or whatever, then replacing
it makes sense. Did you know that the discone will work just fine for
440 MHz as well? Actually any frequency in its design range can be used
for transmit. I use one here and am very satisfied woth it (the Radio
Shack model).

73,
Phil - N4GWV

Date: 15 Sep 1994 18:52:47 GMT
From: ihnp4.ucsd.edu!swrinde!emory!europa.eng.gtefsd.com!howland.reston.ans.net!
math.ohio-state.edu!magnus.acs.ohio-state.edu!csn!yuma!galen@network.ucsd.edu
Subject: Discones as transmitting antennas

To: ham-ant@ucsd.edu

In article <1994Sep15.174648.27018@chemabs.uucp> vjh21@cas.org (Vince Herried ext 2877) writes:
>NON active antennas no matter what configuration all share
>what I'm gonna call a resiprosity. What this means is the
>antenna has the same radiation characteristics when transmitting as it
>does when receiving.
>
>I'll stand back and let the experts give a better reply.

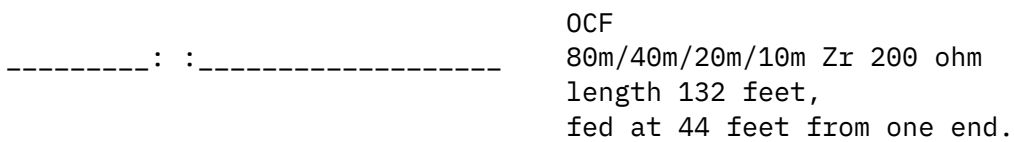
Close, but it's spelled 'reciprocity'.

(I really shouldn't comment on other people's spelling)
Galen, KF0YJ

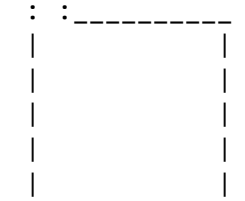
Date: 18 Sep 1994 08:22:04 GMT
From: svc.portal.com!shell.portal.com!becker@uunet.uu.net
Subject: Half Square Antennas
To: ham-ant@ucsd.edu

At 6:04 PM 94.9.12 +0900, ken silverman wrote:
>Feed at top corner:
>---->__________
> | |
> | |
> | |
> | |
>

The new ARRL antenna book describes an "Off Center Fed Dipole", and
makes a point about the name "Windom" being inappropriate.



OCF
80m/40m/20m/10m Zr 200 ohm
length 132 feet,
fed at 44 feet from one end.



Half Sq.
80m/40m/20m/10m Zr 150 ohm
length 126 feet,
vertical portion, 42 feet.

The ARRL Antenna Book points out the necessity of a current, or
choke type balun, as the antenna is _not_ symetrical, and current will
be induced on the outside of the feedline.

Tony Becker - becker@shell.portal.com - Silicon Valley, U.S.A.

Date: 18 Sep 94 08:19:38 GMT
From: news-mail-gateway@ucsd.edu
Subject: Half Square Antennas
To: ham-ant@ucsd.edu

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length 132 feet,
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80m/40m/20m/10m Zr 150 ohm
length 126 feet,
vertical portion, 42 feet.

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be induced on the outside of the feedline.

Tony Becker - becker@shell.portal.com - Silicon Valley, U.S.A.

Date: 15 Sep 1994 17:59:12 GMT
From: nwnexus!krel.iea.com!comtch!pfeuffer@uunet.uu.net
Subject: HF Mobile . . .
To: ham-ant@ucsd.edu

. . . I'm looking for the company that makes a mount for an HF whip to a trailer hitch. Any help would be appreciated.

73

KW1K

P.S. If I can get on HF mobile -- I'll be able to drive 90 miles and put some of them "rare" Idaho and Montana counties on the air!

Date: Sun, 18 Sep 94 20:19:49 -0500
From: news.delphi.com!usenet@uunet.uu.net
Subject: Pool screen as ground?
To: ham-ant@ucsd.edu

This may be stupid, but...I'm going to mount a vertical near my pool screen (in Florida) ..can I take the negative of being near a major metal structure with a ground-mounted vertical by tying a ground radial into then? If so, should I ground the pool screen with a ground rod(it doesn't contact the ground)? Would anyone touching the screen during transmitting be in danger of RF burns?

Date: Sun, 18 Sep 1994 16:51:00 GMT
From: newsflash.concordia.ca!nstn.ns.ca!cs.dal.ca!cfn.cs.dal.ca!aa568@uunet.uu.net
Subject: RS twinlead antenna
To: ham-ant@ucsd.edu

Hi, a little while back I noticed a posting about an antenna made with radio shack twin lead over some other kind, if the person who made the original post, or any one else with the plans for this please e-mail the plans for the antenna, or post for every one ????
Thanks in advance.
73 Ross

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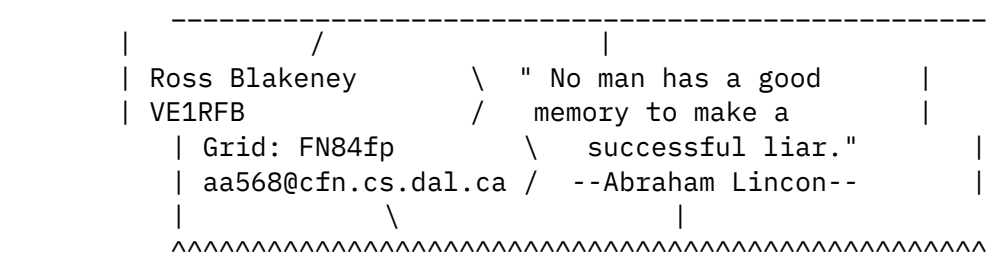

End of Ham-Ant Digest V94 #314
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